

Rabbit 14-3-3 epsilon Polyclonal Antibody | anti-YWHAE antibody

14-3-3 epsilon Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324181	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

14-3-3 epsilon; Polyclonal Antibody; 14-3-3 epsilon Antibody; 14 3 3 E; 14 3 3 epsilon; 14 3 3E; 14-3-3 protein epsilon; 14-3-3E; 1433E_HUMAN; Epididymis luminal protein 2; FLJ45465; FLJ53559; HEL2; KCIP 1; KCIP1; MDCR; MDS; Mitochondrial import stimulation factor L subunit; Protein kinase C inhibitor protein1; Tyrosine 3 monooxygenase/tryptophan 5 monooxygenase activation protein; epsilon; epsilon polypeptide; Tyrosine 3/tryptophan 5 monooxygenase activation protein epsilon polypeptide; YWHAE; anti-YWHAE antibody

PRODUCT SPECIFICATIONS

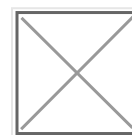
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	14-3-3 epsilon antibody detects endogenous levels of total 14-3-3 epsilon
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	255
Applicable Applications for anti-YWHAE antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (100%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA324181 staining HepG2 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells using 14-3-3 epsilon antibody.



WB (Western Blot)

Western blot analysis of extracts from 293 and rat brain mouse lung, using 14-3-3 epsilon Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-YWHAE antibody	Function: Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner (By similarity). Positively regulates phosphorylated protein HSF1 nuclear export to the cytoplasm (PubMed:12917326). Subunit Structure: Homodimer (PubMed:17085597). Heterodimerizes with YWHAZ (PubMed:16376338). Interacts with PKA-phosphorylated AANAT (PubMed:11427721). Interacts with ABL1 (phosphorylated form); the interaction retains it in the cytoplasm (PubMed:15696159). Interacts with ARHGEF28 (By similarity). Interacts with BEX3 (By similarity). Weakly interacts with CDKN1B (PubMed:12042314). Interacts with the 'Thr-369' phosphorylated form of DAPK2 (PubMed:26047703). Interacts with DENND1A (PubMed:26055712). Interacts with GAB2 (PubMed:19172738). Interacts with phosphorylated GRB10 (PubMed:15722337). Interacts with KSR1 (PubMed:10409742). Interacts with NDEL1 (By similarity). Interacts with PI4KB, TBC1D22A and TBC1D22B (PubMed:23572552). Interacts with the phosphorylated (by AKT1) form of SRPK2 (PubMed:19592491). Interacts with TIAM2. Interacts with the 'Ser-1134' and 'Ser-1161' phosphorylated form of SOS1 (By similarity). Interacts with ZFP36 (via phosphorylated form) (By similarity). Interacts with SLITRK1 (PubMed:19640509). Interacts with HSF1 (via phosphorylated form); this interaction promotes HSF1 sequestration in the cytoplasm in a ERK-dependent manner (PubMed:12917326). Interacts with RIPOR2 isoform 2 (PubMed:25588844). Similarity: Belongs to the 14-3-3 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5803225
NCBI GeneID	7531
NCBI Accession #	NP_006752.1
NCBI GenBank Nucleotide #	NM_006761.4
UniProt Accession #	P62258; P29360; P42655; Q4VJB6; Q53XZ5; Q63631; Q7M4R4; B3KY71; D3DTH5
Molecular Weight	Observed: 29 kD Predicted: 30 kDa
NCBI Official Full Name	14-3-3 protein epsilon
NCBI Official Synonym Full Names	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein epsilon
NCBI Official Symbol	YWHAE
NCBI Official Synonym Symbols	MDS; HEL2; MDCR; KCIP-1; 14-3-3E
NCBI Protein Information	14-3-3 protein epsilon
UniProt Protein Name	14-3-3 protein epsilon
UniProt Gene Name	YWHAE
UniProt Synonym Gene Names	14-3-3E

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.